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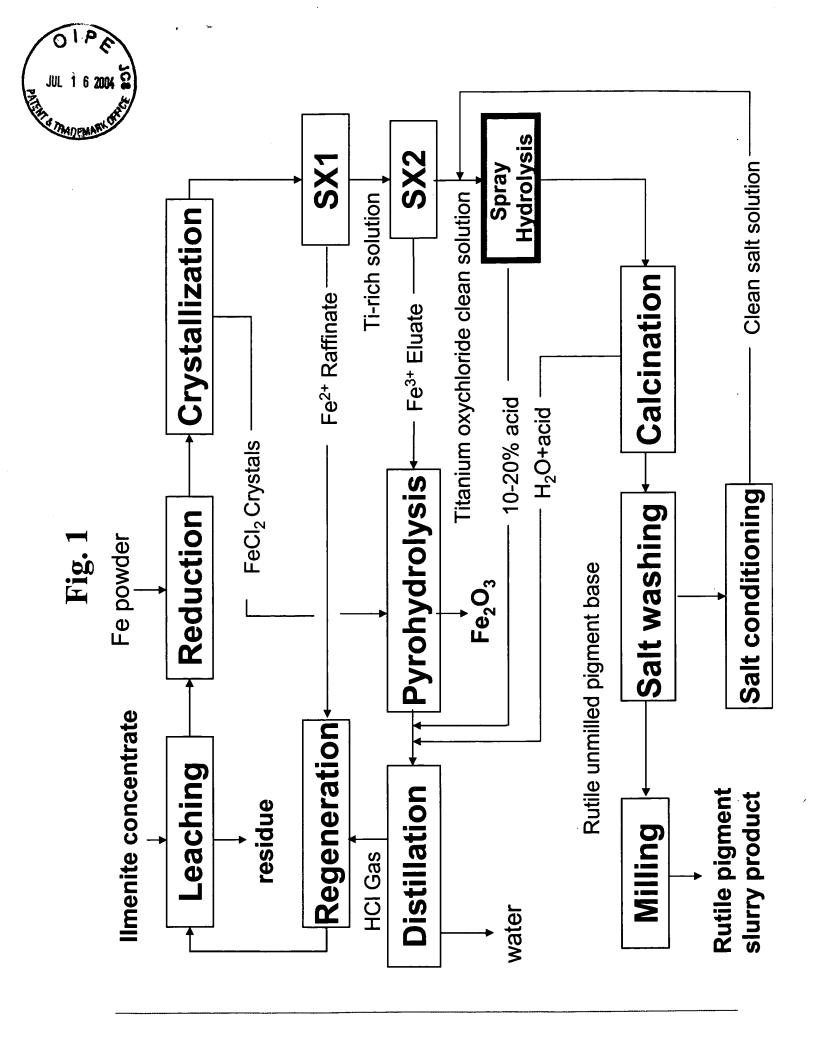
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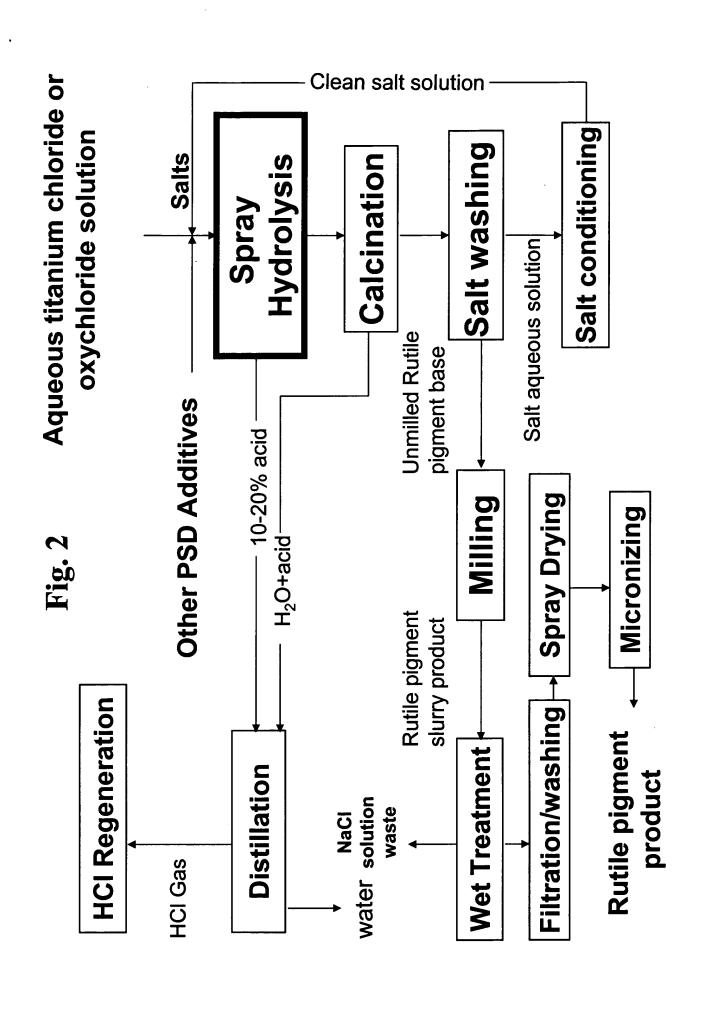


Fig. 3

KCI-LiCI-NaCl

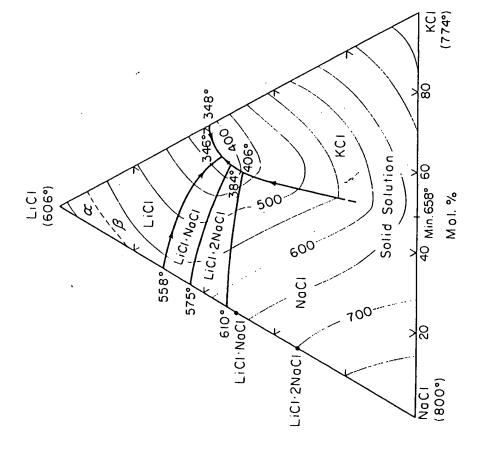
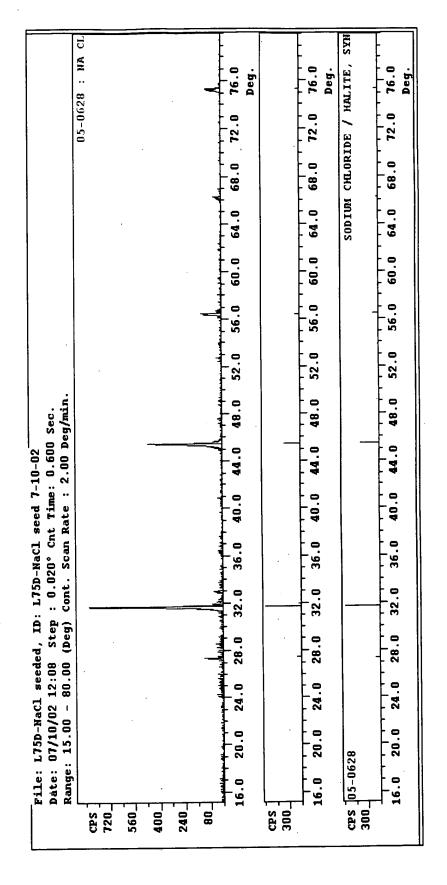


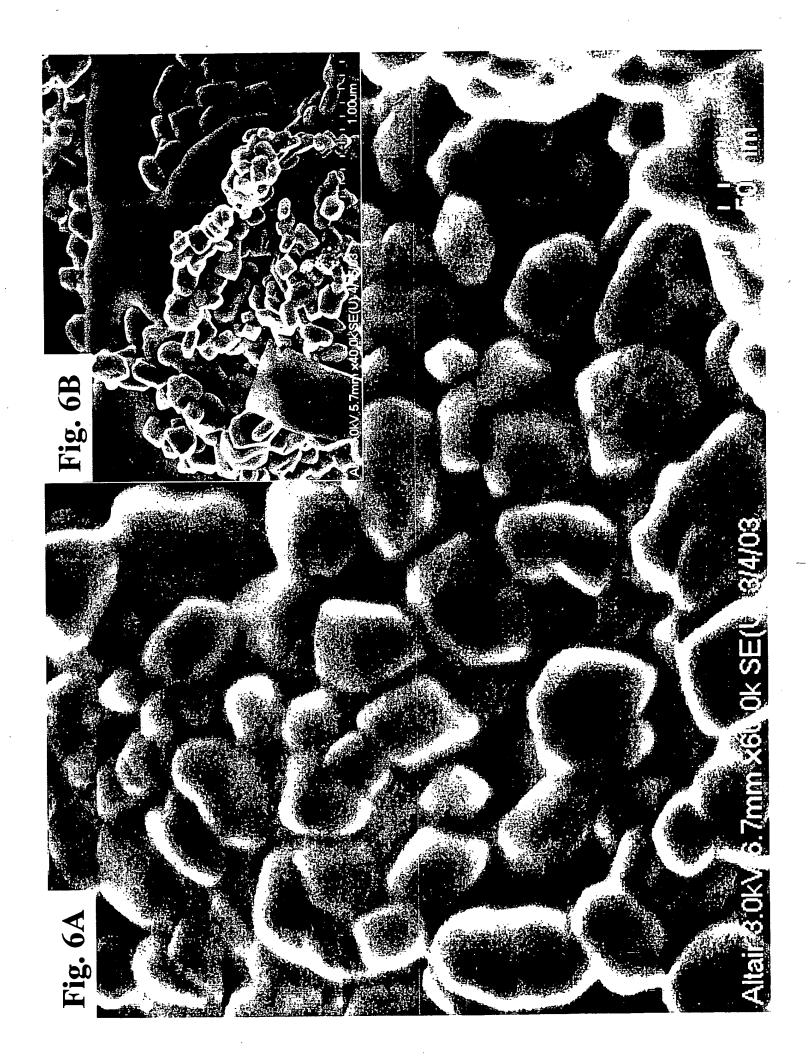
Fig. 4

Fig. 5

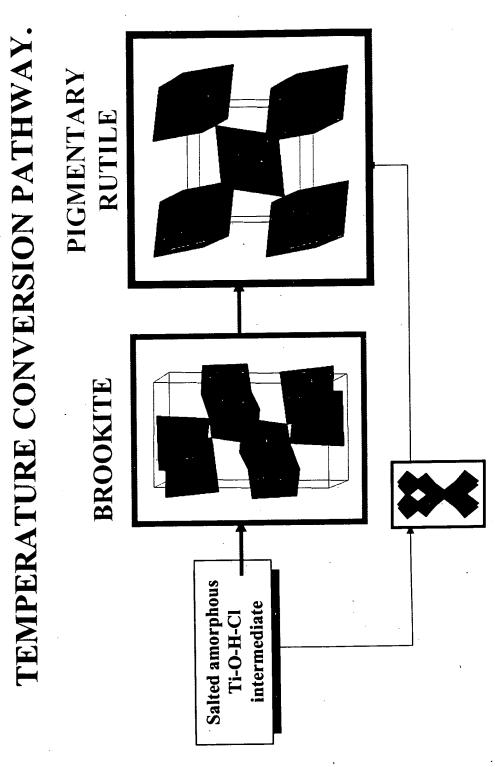
XRD scan of NaCl salted Ti-O-Cl-H amorphous intermediate.

No TiO2 crystal forms were detected by the XRD.



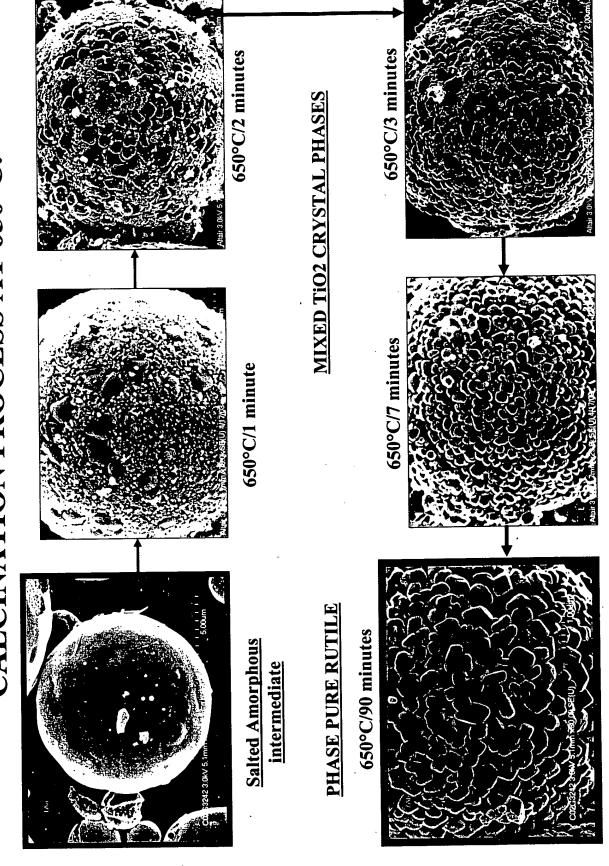


AMORPHOUS INTERMEDIATE >RUTILE LOW Fig. 7



ANATASE

CALCINATION PROCESS AT 650°C. Fig. 8



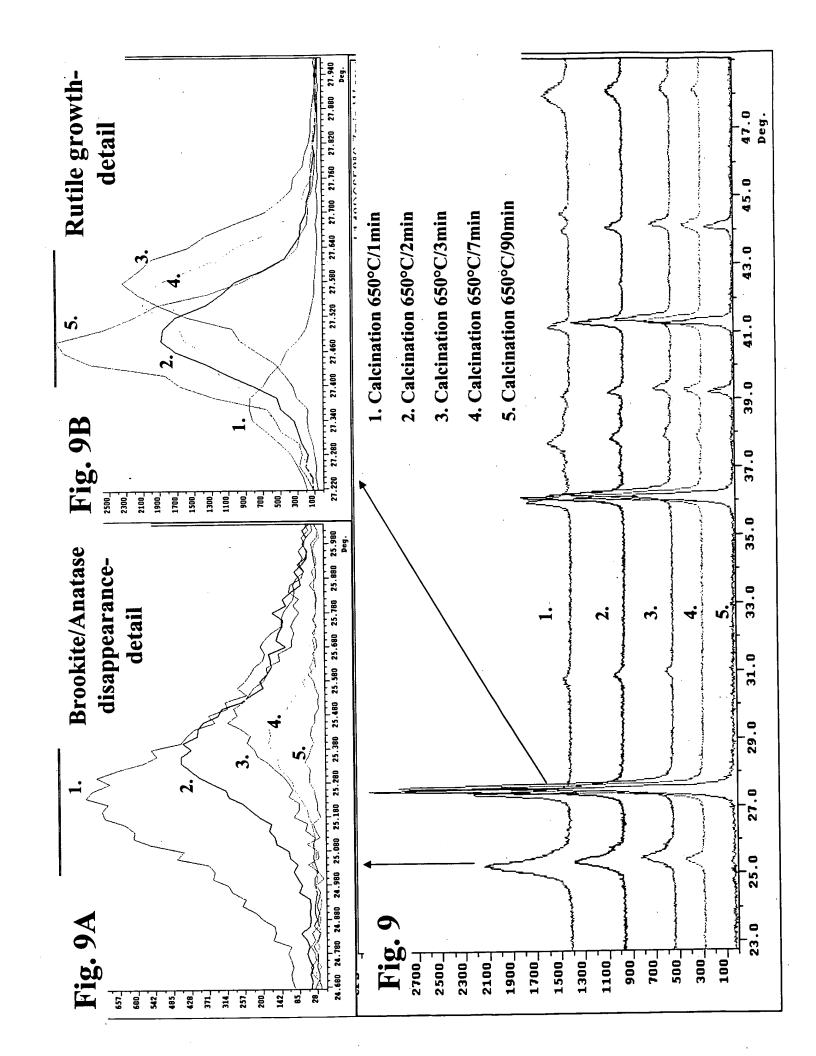


Fig. 10 One minute calcination at 625°C

Fig. 10B

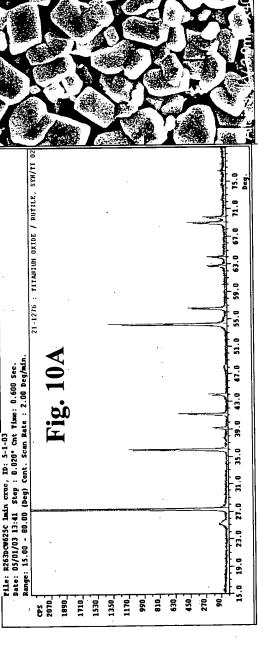
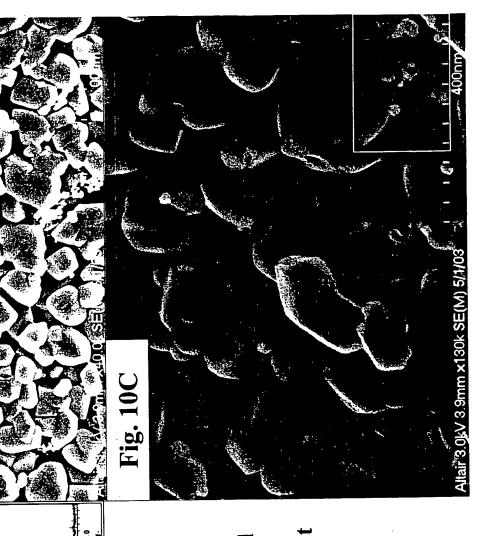
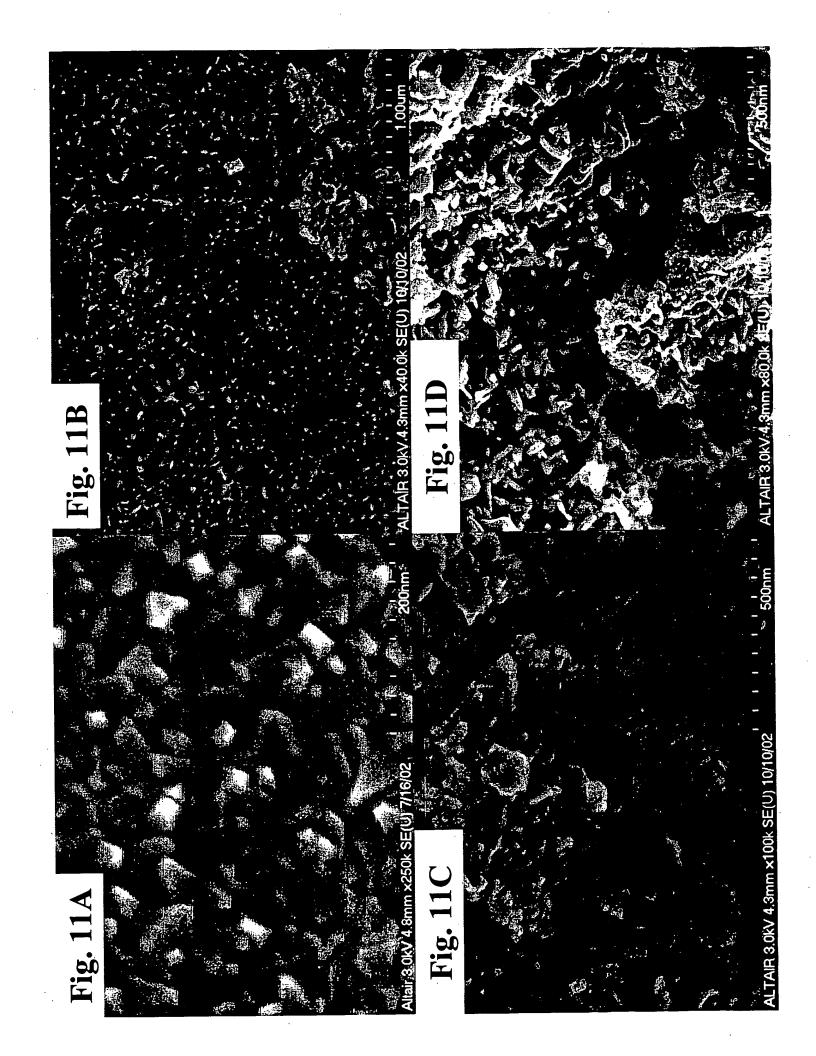


Fig. 10A XRD pattern of 625°C/1 minute flash calcined material-only traces of anatase phase are present.

Fig. 10B SEM image of the flash calcined product shows that rutile formed very fast to well developed crystals of the right particle size.

Fig. 10C SEM image of flash calcined material-detail of rutile fused crystals and some traces of small anatase phase.





A detail of interrupted fusion

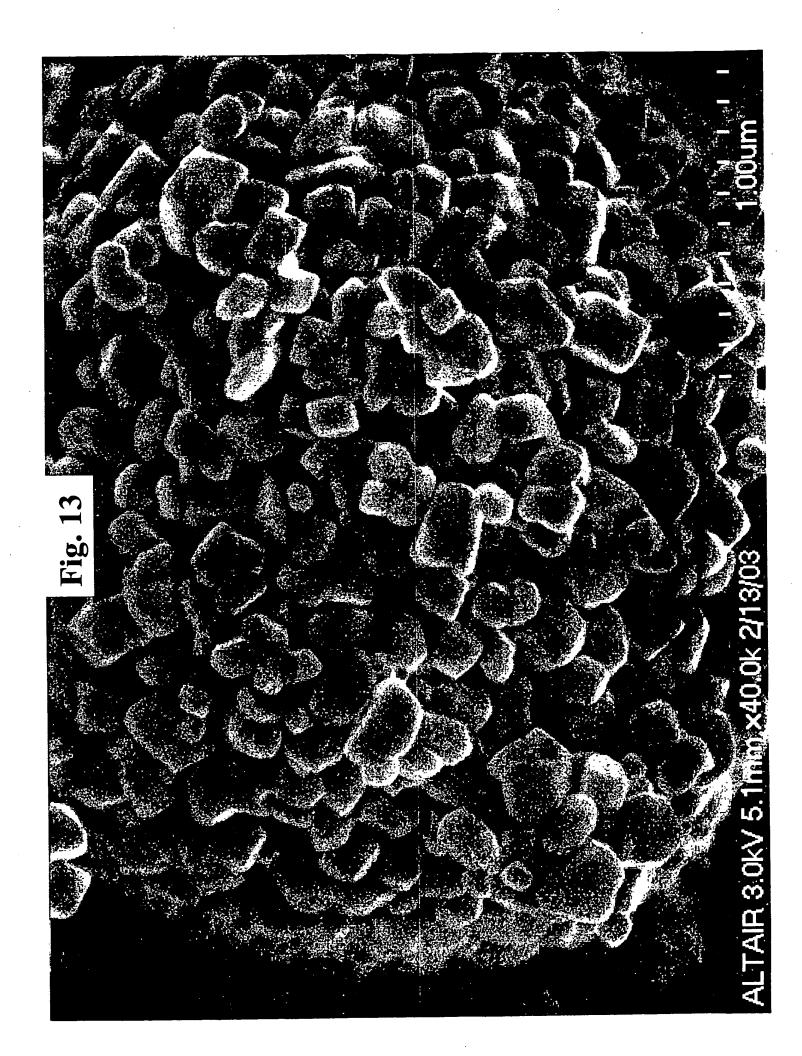
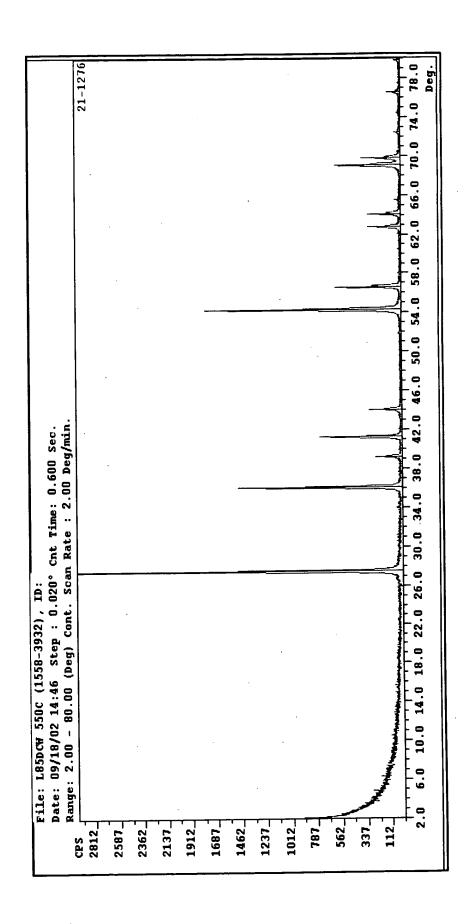
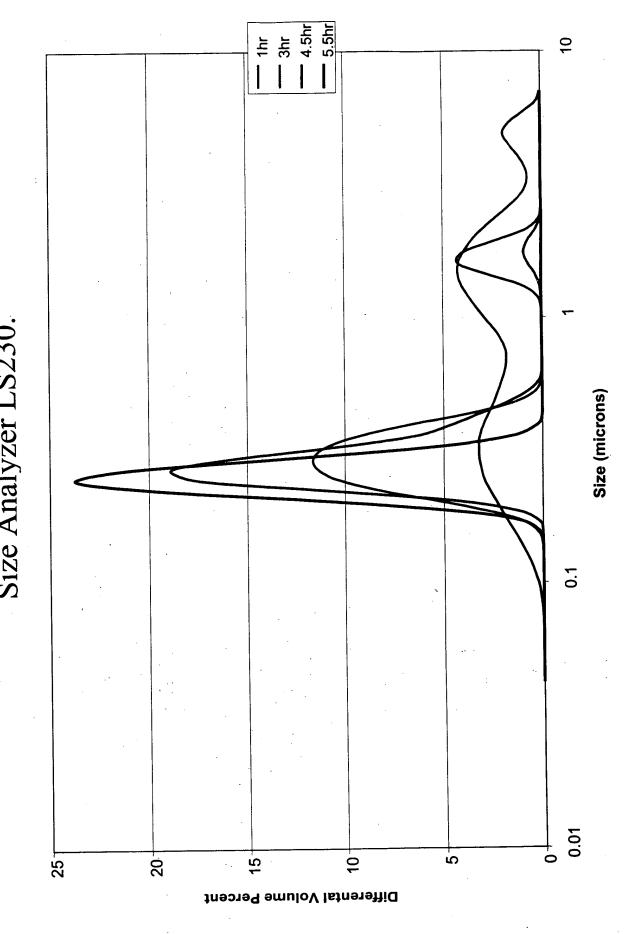


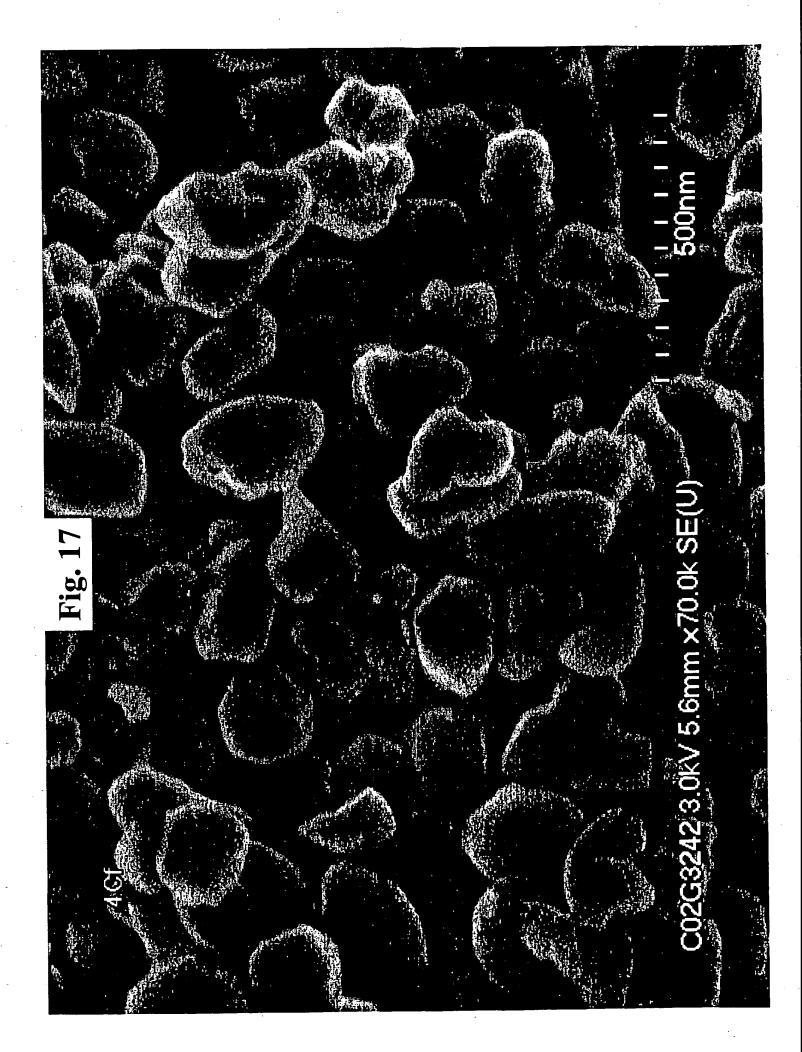
Fig. 15

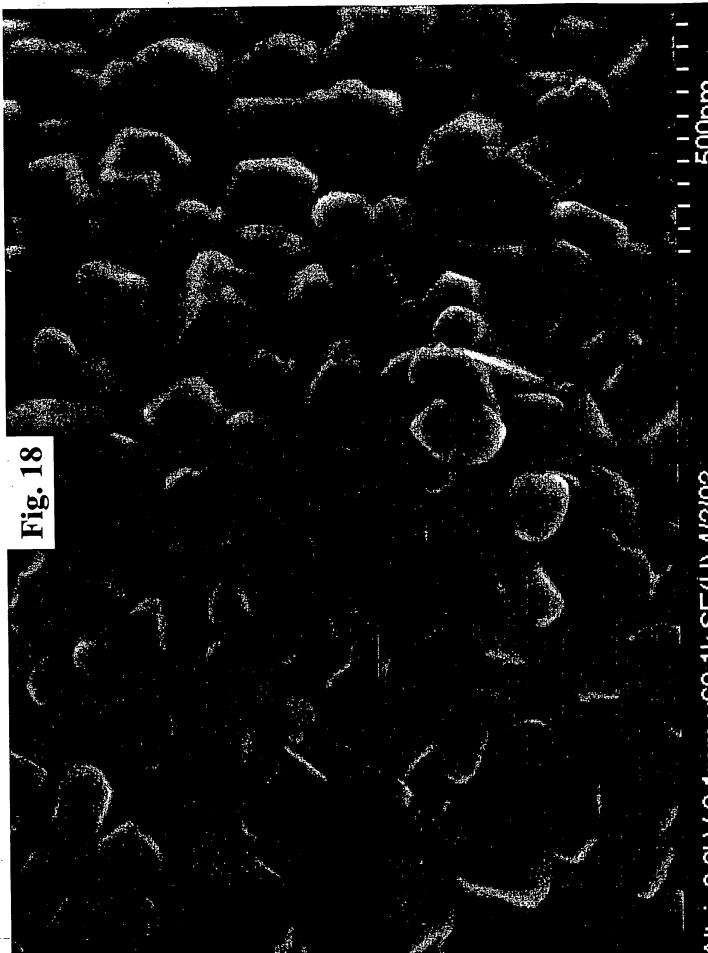
XRD scan of the washed pigment base, calcined at 550°C. Card 21-1276 matches-phase pure rutile.



L85DCW Milling Profile Monitored by the Coulter Particle Size Analyzer LS230. Fig. 16







Altair 3.0kV 6.1mm x60.1k SE(U) 4/3/03